LUH

October 14, 2008
Garrett Miller, SAAL-SAI, 703-604-7010
CW5 John Reid, DAPR-FDV, 703-693-4516

# Light Utility Helicopter (LUH)

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# Illustration / Cutaway

## Cockpit

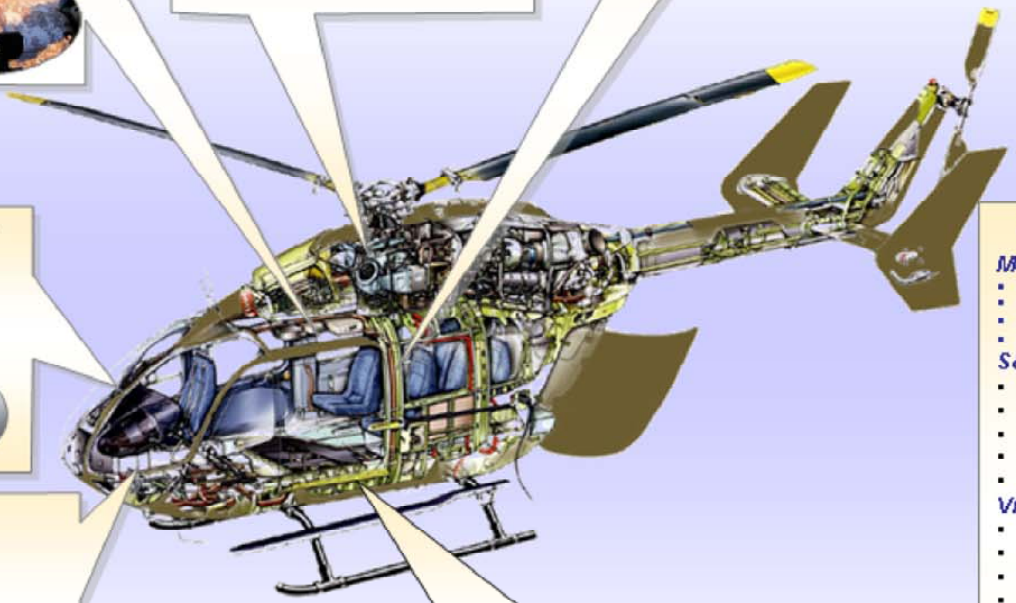
- Glass Cockpit
- Wide Field of View
- LCD Displays
- 3 Axis Autopilot

## Performance

- Low-noise Rotor Blades
- Twin Engine Reliability
- Speed up to 142 KTS
- Endurance up to 3.3 hours

## Capacity

- 1107 lbs External Load (High, Hot)
- HOGE with Gross Weight 7760 lbs
- Max Gross Weight 7903 lbs



## Communications

- ARC-231
- Interagency VHF/UHF Communications
- Cabin Intercom System

## Navigation

- IFR/VFR
- Night Vision Goggles
- Mode S Transponder
- GPS
- Radar Altimeter

## Cabin

- Unobstructed Cabin/ Cargo Flat Floor
- 6 Energy-Absorbing Seats
- Passenger and Cargo Capability
- Ventilation Kit

## LUH Mission Equipment Packages

**MEDEVAC Configuration**
- 2 NATO Standard Litters
- Medical Storage Kit
- Hoist
- ECU

**S&S Battalion Configuration**
- FLIR on selected aircraft
- Search Light on selected aircraft
- Hoist on selected aircraft
- Situational Awareness/C2 Modification
- Dual RT-5000 Radios

**VIP Configuration**
- VIP Seats
- Carpet
- ECU
- Situational Awareness/C2 Modification

**OPFOR Configuration**
- MILES/TESS
- Visual Modifications
- CTC IS

**Observer/Controller Configuration**
- OCCS/CTC IS
- External PA System

- Select aircraft will receive the Engine Inlet Barrier Filter

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# System Description

## *Mission Statement:*

Air Movement, Civil Command & Control, Aerial Sustainment, Surveillance, Civil Search and Rescue, Homeland Security, Casualty Evacuation, Counterdrug Operations, Medical Evacuation, General Support

## *Characteristics / Description:*

- Range at sea level 303 Nautical Miles
- Endurance 3.3 Hours (No Reserve)
- Useful Load 1,107 lbs. (Internal/External)
- Cruise Airspeed (max) 142 knots

## *Capability / Improvements:*

- Night Vision Goggle (NVG) Capability
- Hoist Capability of 600 lbs.
- Day/Night IFR/VFR Capabilities
- Wire Strike Protection
- Crashworthy Fuel System
- Crashworthy Seats

## *Special Features:*

- Interoperable with Civil, Military, and Government Agencies
- Standard configuration consists of 2 pilots, crew chief and up to 5 passengers
- MEDEVAC configuration consists of 2 pilots, crew chief, 2 NATO standard litters, and 1 medical attendant

## *Contractors:*

American Eurocopter - Grand Prarie, TX - Airframe/Training - $30M
Helicopter Support, Inc. - Trumbull, CT - CLS - $20.5M

American Eurocopter - Columbus, MS - Airframe - $20M

American Eurocopter - Grand Prarie, TX - CLS - $4.6M

EADS North America - Huntsville, AL - Program Management - $2M

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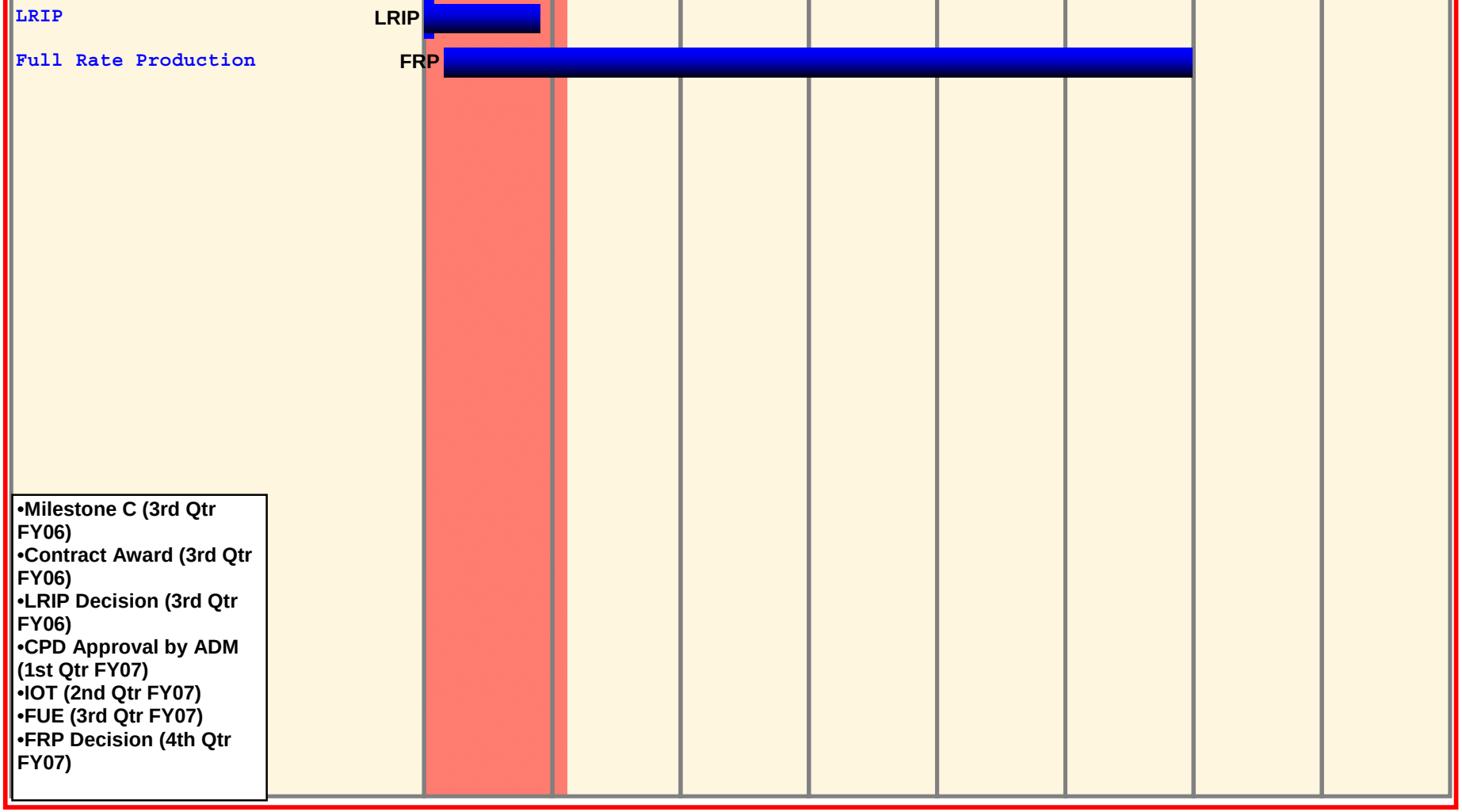
## Schedule




- Milestone C (3rd Qtr FY06)
- Contract Award (3rd Qtr FY06)
- LRIP Decision (3rd Qtr FY06)
- CPD Approval by ADM (1st Qtr FY07)
- IOT (2nd Qtr FY07)
- FUE (3rd Qtr FY07)
- FRP Decision (4th Qtr FY07)

# LUH

April 15, 2009
Garrett Miller, SAAL-SAI, 703-604-7010
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## Program Funding

**FY08 President's Budget (AF 3.0 As of January 26, 2007)**

| | Prior Year | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 | FY14 | FY15 | CTC | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A05001 | 257.2 | 230.5 | 226.3 | 161.1 | 135.2 | 254.4 | 253.1 | | | 361.0 | 1,878.8 |
| 116004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.0 | 0.0 |
| QTYA05001 | 42 | 44 | 42 | 28 | 23 | 46 | 43 | | | 54 | 322 |
| **Total** | **257.2** | **230.5** | **226.3** | **161.1** | **135.2** | **254.4** | **253.1** | | | **361.0** | **1,878.8** |

**FY09 President's Budget (AF 3.0 As of January 2, 2008) ***

| | Prior Year | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 | FY14 | FY15 | CTC | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A05001 | 239.1 | 228.9 | 276.4 | 159.8 | 134.0 | 252.2 | 250.8 | | | 546.0 | 2,087.2 |
| 116004 | 10.7 | 19.6 | 38.5 | 47.5 | 59.5 | 68.5 | 80.8 | | | 2,620.5 | 2,945.6 |
| QTYA05001 | 42 | 43 | 44 | 25 | 18 | 41 | 43 | | | 89 | 345 |
| **Total** | **249.8** | **248.5** | **314.9** | **207.3** | **193.5** | **320.7** | **331.6** | | | **3,166.5** | **5,032.8** |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Prg Chg | -0- | 18.0 | 88.6 | 46.2 | 58.3 | 66.3 | 78.5 | 0.0 | 0.0 | 2,805.5 | 3,154.0 |

FY09 PB 10-13 RDTE: $0.0
FY09 PB 10-13 Procurement: $796.8
FY09 PB 10-13 OMA: $256.3

* FY09 includes congressional add of $32.6M, Sec 8101 adjustment of -$.758M, and $19.999M reprogramming action.
LUH Oma Funding line has been established since the FY08 PB. Funding resides in the TTPEG, MDEP VFHM, APE 116004000, SAG 116.

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# Requirements and Unit Costs

***QUANTITY / REQUIREMENTS***

- Total Requirement: October 2007 Aviation Transformation Implementation Conference #14 : 345
- Generating Force MEDEVAC: 48
- TDA: 145
- Homeland Security: 144
- Trng Base: 8
- Approved Acquisition Objective: 345
- Approved Procurement Objective: 345

| O & O / ORD | | | FIELDING |
|---|---|---|---|
| UNIT | ORG | QTY | LUH FUE May 22, 2007 |
| TDA | MEDEVAC | 36 | |
| TDA | TRNG/TEST CTR | 55/33 | |
| TDA | VIP | 17 | |
| TDA | 21 CAV/20SB | 2/2 | |
| ARNG | Training Base | 8 | |
| MTOE ARNG | GF MEDEVAC | 48 | |
| MTOE ARNG | HLS | 144 | |

**UNIT COST DATA**
**OVER THE TOTAL PROGRAM -- TY$**

| Unit Costs ($M) | Then-Year $ |
|---|---|
| LUH Flyaway Cost | 5.685 |
| LUH Weapon System | 5.991 |
| LUH Proc Unit Cost | 5.991 |
| LUH Prog Acq Unit Cost | 6.000 |
| LUH Qty | 344 |

Source: FY09 President's Budget

Note: Only includes LUH cost data.

| Program ($M) | Then-Year $ |
|---|---|
| Proc | 2061.0 |

Source: FY09 President's Budget

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# Current Status

- **Cost:**
  Current Flyaway: $5.685M
  As a result of the addition of the approved Combat Training Center (CTC) modifications and the acceleration of the fielding schedule, the flyaway unit cost has been revised from $5.814M to $5.685M.
- **Schedule:**
  Fifty-eight aircraft have been delivered as of 16 March 2009.
- **Technical:**
  Aircraft selected meets the technical requirements. CTC modifications have been approved for 40 OPFOR/OC aircraft to include: CTC A-Kit; additional ARC-231 radio; PA system; MILESTESS: Visual Modification (camo paint); and SA Kneeboard capabilities. ARNG modifications have been approved and will be unit funded to include: S&S Batallion A-Kit; Dual RT-5000 radios; FLIR; Video Downlink; an additional hoist; SA/C2; and Search light.
- **Fielding:**
  Fifty-eight aircraft delivered. LUH has been fielded to the Army National Guard in: Tupelo, MS; Pineville, LA; Jacksonville, FL; as well as to Eastern Army Aviation Training Site (EAATS) at Ft. Indiantown Gap, PA and Washington D.C..
- **Funding:**
  FY09 & FY10 RDT&E: N/A
  FY09 PROC: $276M, Procures 44 aircraft, Engineering Changes, Fielding, and Program Office Support.
  FY10 PROC: $332.0M, Procures 56 aircraft, Engineering Changes, Fielding, and Program Office Support.
- **Issues:**
  AOA requirement is for 345 aircraft. FY15 reflects no funding. Funding is required to field final aircraft procured in FY14. Acceleration of aircraft procurement requires funding increase for OMA appropriation.